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From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
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Subject: Ham-Space Digest V94 #73
To: Ham-Space

Ham-Space Digest

Mon, 28 Mar 94

Volume 94 : Issue 73

Today's Topics:

Telecom and Meteors

UNIX satellite tracking program

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Problems you can't solve otherwise to brian@ucsd.edu.

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We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 23 Mar 94 00:12:05 GMT

From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!

rs6000.cmp.ilstu.edu!cdfore@ucbvax.berkeley.edu

Subject: Telecom and Meteors

To: ham-space@ucsd.edu

Help!! I'm Looking for info on using meteors to bounce signals for telecommunication. I saw a show in January on it. Now I have to write a paper on something in telecommunication and as you can see my writing sucks. But I think if I can get some info about something my prof has not hear of it will help. So any one out there with info or know how I can get some please reply.

E-mail cdfore@rs600.cmp.ilstu.edu

Curt Eore lost Student and new i-net user :->

Date: Sun, 27 Mar 1994 06:03:01 GMT
From: netcomsy!netcom.com!wv1z@decwrl.dec.com

Subject: UNIX satellite tracking program
To: ham-space@ucsd.edu

In article <2mnj03\$6ds@agate.berkeley.edu> manfred@isi5.ssl.berkeley.edu (Manfred Bester) writes:

>
>> From: robert@plasma.apana.org.au (Robert Kroes)
>> Subject: Any sat tracking progs available for unix?
>
>> Does anyone know of a program preferably written in C (but fortran-77
>> would suffice I suppose) which will track satellites using the standard
>> 2-line element sets. I would like to compile it up under UNIX. I see
>> absolutely no reason why these programs should only be available in
>> a pre-compiled form for mess-doss :-)
>
>> Thanks in advance.
>> -Robert Kroes-
>> robert@plasma.apana.org.au
>
>
>There is SatTrack that I have written on a Sun workstation (in C). The
>version I've released twice is V1.7. Bob Kuipek was kind enough to
>provide a FTP site from which it can be obtained. It's now available on
>ftp.jvnc.net in /priv/kupiec.
>
>This program has no graphics, but a live display mode and orbit prediction
>features. In the meantime, I spent quite some more time to work on the
>program and also incorporated numerous suggestions from users all over the
>world. The new version (V2.0) is not quite ready to be publicly released,
>but I hope I can check the program some more during the next six weeks
>or so. It will feature a live display for a single satellite as well as
>a live display for multiple satellites (as many as the computing power
>of the machine it runs on allows), a batch mode with arguments passed
>on the command line, and the orbit prediction capabilities that V1.7 had.
>There are more improvements like the calculation of squint angles (for
>AO-10 and AO-13), and also some subroutines that allow control of ground
>station equipment, like radios and antenna controllers. The framework
>for the latter are part of SatTrack V2.0 and easily be configured by the
>user for specific hardware.
>
>Stay tuned...
>
>73, Manfred
>W6/DL5KR
>
>Manfred Bester
>Space Sciences Lab
>UC Berkeley

>(510) 642-8497
>manfred@ssl.berkeley.edu
>
>

I will be placing this on oak.oakland.edu:/pub/hamradio/unix/satellite

Scott

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	Maintainer of the Boston Amateur Radio Club hamradio FTP area on	
oak.oakland.edu:/pub/hamradio		

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End of Ham-Space Digest V94 #73

